



COLLEGE OF EDUCATION  
Department of Teaching and Learning, Policy and Leadership  
Division of Science, Technology and Mathematics Education

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We are delighted to announce an upcoming opportunity! We will have a new cohort in our

### **Master's of Education in Middle School Mathematics**

The program is a three-year, content-based master of education for current middle school teachers or those interested in moving to these grades (4- 9<sup>th</sup> grade). The next cohort will start this coming **Fall 2017!** All courses will be **offered at The Universities in Shady Grove**. Classes are once a week during the school year. Our students have the possibility to **apply for scholarships of excellence** every Spring. In addition, the tuition is fixed for in-state and out-of-state teachers at the same rate. No GRE required.

The courses in this program have been selected for Improving Teacher Quality grants in the State of Maryland. This recognition has allowed us to continuously evaluate and improve the program to address the needs and goals of participant teachers as well as the school district staff.

#### **Our Goal**

The main goal of this program is to **develop a cohort of highly qualified middle school mathematics** teachers by strengthening their content knowledge and their professional knowledge about teaching mathematics to students in diverse school settings in the era of Common Core State Standards.

#### **Focus on greatest needs in the School District**

In order to address some of the greatest needs in the school district we developed specific areas of study that address common areas of need in urban settings in the local schools. These foci allow us to address issues such as formative assessment, academic discourse for English learners, and equity in the math classroom. We also strongly encourage the participation of all teachers involved in the mathematics instruction such as Special Educators, ESOL teachers, or mathematics coaches. Teams of teachers from the same school have the opportunity to produce the most radical changes in their teaching and professional careers.

#### **Commitment to connect graduate courses with teachers' practice**

The program works to expand the capacity within schools and across the district and to better support the masters' candidates to implement their new knowledge in their classrooms. We achieve this goal providing increased opportunities for direct connections of the graduate course with teachers' classroom experiences. These experiences include school-based components, such as teachers visiting each other's classrooms, developing target assessments, or engaging in inquiry projects. This program allows teachers to continue to teach full-time as we meet once a week.

#### **Mathematics Education Learning Beyond Program.**

Teachers must extend their learning beyond the confines of our program, which is particularly important as curricula, standards and content demands change over a career. In order to support teachers' learning we focus on the process as a collaborative and life-long inquiry process. Teachers in our program gain the knowledge and disposition to ask and investigate timely questions.

**We are offering a \$500 credit in the Fall and \$500 credit in the Spring to teachers starting in the FALL 2017.**

For **more information** about the program, visit UMD, Center for Mathematics Education website <http://ter.ps/MathTeachers>, the program's prezi <http://ter.ps/82q> and our livebinder (with details on how to apply) <http://ter.ps/MSMath>.

If you have any questions or comments, please contact us, Dr. Beatriz Quintos, [bquintos@umd.edu](mailto:bquintos@umd.edu).

### MASTER'S OF EDUCATION IN MIDDLE SCHOOL MATHEMATICS

SEMESTER	COURSE
Fall 2017	EDCI 650 Trends in Mathematics Education (3 credits)
Spring 2018	MATH 498 Number for Middle School Teachers (3 credits)
Summer 2018	EDCI 653 Problem solving and innovative thinking in the mathematics classroom (3 credits)
Fall 2018	MATH 480 Algebra for Middle School Teachers (3 credits)
Spring 2019	EDCI 655 Teaching and Learning Algebra in the Middle School Curriculum (3 credits)
Summer 2019	MATH 481 Statistics and Data Analysis for Middle School Teachers (3 credits) EDCI 698 Conducting Research on Teaching (1 credit)
Fall 2019	EDCI 656 Teaching and Learning Statistics and Data Analysis in the Middle School (3 credits) EDCI 698 Conducting Research on Teaching (1 credit)
Spring 2020	EDCI 645 Teaching and Learning Geometry in the Middle School (3 credits) EDCI 698 Conducting Research on Teaching (1 credit)
Summer 2020	EDCI 654 Assessing Mathematical Understanding (3 credits)